

DATA FORM

ROUTINE WETLAND DETERMINATION

(1987 COE Wetlands Determination Manual)

Project Name:	ATC North Madison to Huiskamp	Date:	09/14/2005
Project Number:	2005-0194	County:	Dane
Observers:	RGD	State:	WI
		Quarter:	SE
Plant Community Area:	P1	Section:	22
Transect:	T1	Township:	9N
Sample Site:	P1T1S1	Range:	9E

VEGETATION

<u>Dominant Plant Species</u>	<u>Stratum</u>	<u>Indicator</u>	<u>Secondary Plant Species</u>	<u>Stratum</u>	<u>Indicator</u>
Phalaris arundinacea	H	FACW+	Erigeron philadelphicus	H	FACW
Echinochloa crusgalli	H	FACW	Urtica dioica	H	FAC+
Solanum dulcamara	H	FAC			
Sonchus arvensis	H	FAC-			
Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-):			75.0%		
Remarks: Ponding area along drain west of culvert under road.					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake or Tide Gauge <input checked="" type="checkbox"/> Aerial Photo <input type="checkbox"/> Other Field Observations: Depth of Surface Water: None Depth of Soil Pit: 14 Depth to Free Water in Pit: 8 Depth to Saturated Soil: 6 Remarks: Aerial photo shows wooded drainway. Debris lines located along wetland boundary - deemed synonymous with OHWM.	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in Root Zone <input type="checkbox"/> Water Marks <input type="checkbox"/> None <input checked="" type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <input type="checkbox"/> Floodway Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Root Zone <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> None
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SOILS

Map Unit Name: VIRGIL SILT LOAM,
Taxonomy (Subgroup): Udollic Ochraqualfs

Drainage Class: Somewhat Poorly

Field Observations Confirm Mapped Type? **No**

Profile Description:

Depth (in.)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle (Abund./Contrast)	Texture, Concretions, Structure, Etc.
0 to 4	A	10YR 2/1	none	none	SiL
4 to 9	B1	10YR 3/1	10YR 4/6	f2d	SiCL
9 to 14	B2	10YR 4/2	10YR 4/6	f2d	SiCL

Hydric Soil Indicators:

- | | |
|---|--|
| <input type="checkbox"/> Histosol | <input checked="" type="checkbox"/> Bright Mottling Within a Depleted Matrix |
| <input type="checkbox"/> Histic Epipedon | <input type="checkbox"/> Concretions |
| <input type="checkbox"/> Sulfidic Odor | <input type="checkbox"/> High Organic Content in Surface Layer |
| <input type="checkbox"/> Aquic Moisture Regime | <input type="checkbox"/> Organic Streaking in Sandy Soils |
| <input type="checkbox"/> Reducing Conditions | <input type="checkbox"/> Listed on Local Hydric Soils List |
| <input type="checkbox"/> Gleyed | <input type="checkbox"/> Listed on National Hydric Soils List |
| <input checked="" type="checkbox"/> Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks) |

USDA Hydric Soils Field Indicator: F2

NRCS Mapped Type: Unknown

Remarks:

SITE CONDITIONS AND WETLAND DETERMINATION

Site Conditions:

- | | |
|--|------------|
| Do normal circumstances exist in the plant community? (If no, explain) | Yes |
| Have the veg., soils, and/or hydrology been significantly disturbed? (If yes, explain) | No |
| Is the site a problem area? (If yes, explain) | No |

Remarks:

Wetland Determination:

Based on the foregoing:

- | | | |
|----------------------------------|------------|--|
| Are Hydrophytic Plants Dominant? | Yes | Is This Sampling Point Within A Wetland? |
| Is Wetland Hydrology Present? | Yes | |
| Are Wetland Soils Present? | Yes | |

Remarks:

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Determination Manual)

Project Name: ATC North Madison to Huiskamp	Date: 09/14/2005
Project Number: 2005-0194	County: Dane
Observers: RGD	State: WI
	Quarter: SE
Plant Community Area: P1	Section: 22
Transect: T1	Township: 9N
Sample Site: P1T1S2	Range: 9E

VEGETATION

<u>Dominant Plant Species</u>	<u>Stratum</u>	<u>Indicator</u>	<u>Secondary Plant Species</u>	<u>Stratum</u>	<u>Indicator</u>
Acer negundo	T	FACW-	Solanum dulcamara	H	FAC
Phalaris arundinacea	H	FACW+	Cichorium intybus	H	UPL
Picea glauca	T	FACU	Bromus inermis	H	NI
Rhamnus cathartica	H	FACU	Parthenocissus inserta	V	FACU
Arctium minus	H	NI			
Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-):		40.0%			
Remarks: Sample point taken along road berm.					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake or Tide Gauge <input type="checkbox"/> Aerial Photo <input type="checkbox"/> Other Field Observations: Depth of Surface Water: None Depth of Soil Pit: 14 Depth to Free Water in Pit: None Depth to Saturated Soil: None Remarks: No primary or secondary indicators observed.	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Root Zone <input type="checkbox"/> Water Marks <input checked="" type="checkbox"/> None <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <input type="checkbox"/> Floodway Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Root Zone <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks) <input checked="" type="checkbox"/> None
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SOILS

Map Unit Name: VIRGIL SILT LOAM,
Taxonomy (Subgroup): Udollic Ochraqualfs

Drainage Class: Somewhat Poorly

Field Observations Confirm Mapped Type? **No**

Profile Description:

Depth (in.)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle (Abund./Contrast)	Texture, Concretions, Structure, Etc.
0 to 4	A	10YR 2/2	none	none	L
4 to 14	B	10YR 3/3	none	none	SiCL / gravel

Hydric Soil Indicators:

- | | |
|--|---|
| <input type="checkbox"/> Histosol | <input type="checkbox"/> Bright Mottling Within a Depleted Matrix |
| <input type="checkbox"/> Histic Epipedon | <input type="checkbox"/> Concretions |
| <input type="checkbox"/> Sulfidic Odor | <input type="checkbox"/> High Organic Content in Surface Layer |
| <input type="checkbox"/> Aquic Moisture Regime | <input type="checkbox"/> Organic Streaking in Sandy Soils |
| <input type="checkbox"/> Reducing Conditions | <input type="checkbox"/> Listed on Local Hydric Soils List |
| <input type="checkbox"/> Gleyed | <input type="checkbox"/> Listed on National Hydric Soils List |
| <input type="checkbox"/> Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks) |

USDA Hydric Soils Field Indicator: None

NRCS Mapped Type: Unknown

Remarks:

No hydric soil indicators observed - appeared to be gravelly road fill.

SITE CONDITIONS AND WETLAND DETERMINATION

Site Conditions:

Do normal circumstances exist in the plant community? (If no, explain)	Yes
Have the veg., soils, and/or hydrology been significantly disturbed? (If yes, explain)	No
Is the site a problem area? (If yes, explain)	No

Remarks:

Wetland Determination:

Based on the foregoing:

Are Hydrophytic Plants Dominant?	No	Is This Sampling Point Within A Wetland?
Is Wetland Hydrology Present?	No	
Are Wetland Soils Present?	No	

Remarks:

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Determination Manual)

Project Name: ATC North Madison to Huiskamp	Date: 09/14/2005
Project Number: 2005-0194	County: Dane
Observers: RGD	State: WI
	Quarter: NE
Plant Community Area: P2	Section: 15
Transect: T1	Township: 8N
Sample Site: P2T1S1	Range: 9E

VEGETATION

<u>Dominant Plant Species</u>	<u>Stratum</u>	<u>Indicator</u>	<u>Secondary Plant Species</u>	<u>Stratum</u>	<u>Indicator</u>
Phalaris arundinacea	H	FACW+			
Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-):		100.0%			
Remarks: Monotypic reed canary grass.					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake or Tide Gauge <input checked="" type="checkbox"/> Aerial Photo <input checked="" type="checkbox"/> Other Field Observations: Depth of Surface Water: None Depth of Soil Pit: 15 Depth to Free Water in Pit: 13 Depth to Saturated Soil: 11 Remarks: Aerial photo and USGS topographic map show a ditch.	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in Root Zone <input type="checkbox"/> Water Marks <input type="checkbox"/> None <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <input type="checkbox"/> Floodway Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Root Zone <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> None
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SOILS

Map Unit Name: ELBURN SILT LOAM

Drainage Class: Somewhat Poorly

Taxonomy (Subgroup): Aquic Argiudolls

Field Observations Confirm Mapped Type? **No**

Profile Description:

Depth (in.)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle (Abund./Contrast)	Texture, Concretions, Structure, Etc.
0 to 6	A	10yR 3/1	none	none	SiL
6 to 15	B	10YR 3/1	10YR 4/6	c2d	SiCL

Hydric Soil Indicators:

- | | |
|---|--|
| <input type="checkbox"/> Histosol | <input checked="" type="checkbox"/> Bright Mottling Within a Depleted Matrix |
| <input type="checkbox"/> Histic Epipedon | <input type="checkbox"/> Concretions |
| <input type="checkbox"/> Sulfidic Odor | <input type="checkbox"/> High Organic Content in Surface Layer |
| <input type="checkbox"/> Aquic Moisture Regime | <input type="checkbox"/> Organic Streaking in Sandy Soils |
| <input type="checkbox"/> Reducing Conditions | <input type="checkbox"/> Listed on Local Hydric Soils List |
| <input type="checkbox"/> Gleyed | <input type="checkbox"/> Listed on National Hydric Soils List |
| <input checked="" type="checkbox"/> Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks) |

USDA Hydric Soils Field Indicator: F6

NRCS Mapped Type: Unknown

Remarks:

SITE CONDITIONS AND WETLAND DETERMINATION

Site Conditions:

- | | |
|--|------------|
| Do normal circumstances exist in the plant community? (If no, explain) | Yes |
| Have the veg., soils, and/or hydrology been significantly disturbed? (If yes, explain) | No |
| Is the site a problem area? (If yes, explain) | No |

Remarks:

Wetland Determination:

Based on the foregoing:

- | | | |
|----------------------------------|------------|--|
| Are Hydrophytic Plants Dominant? | Yes | Is This Sampling Point Within A Wetland? |
| Is Wetland Hydrology Present? | Yes | |
| Are Wetland Soils Present? | Yes | |

Remarks:

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Determination Manual)

Project Name: ATC North Madison to Huiskamp	Date: 09/14/2005
Project Number: 2005-0194	County: Dane
Observers: RGD	State: WI
	Quarter: NE
Plant Community Area: P2	Section: 15
Transect: T1	Township: 8N
Sample Site: P2T1S2	Range: 9E

VEGETATION

<u>Dominant Plant Species</u>	<u>Stratum</u>	<u>Indicator</u>	<u>Secondary Plant Species</u>	<u>Stratum</u>	<u>Indicator</u>
Poa pratensis	H	FAC-	Phalaris arundinacea	H	FACW+
Pastinaca sativa	H	NI	Taraxacum officinale	H	FACU
Cirsium arvense	H	FACU			
Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-):		0.0%			
Remarks: Sample point on slightly sloping mowed area adjacent to ditch/drain.					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake or Tide Gauge <input checked="" type="checkbox"/> Aerial Photo <input type="checkbox"/> Other Field Observations: Depth of Surface Water: None Depth of Soil Pit: 14 Depth to Free Water in Pit: None Depth to Saturated Soil: None Remarks: Aerial photo shows grassy area adjacent to ditch.	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Root Zone <input type="checkbox"/> Water Marks <input checked="" type="checkbox"/> None <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <input type="checkbox"/> Floodway Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Root Zone <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks) <input checked="" type="checkbox"/> None
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SOILS

Map Unit Name: ELBURN SILT LOAM

Drainage Class: Somewhat Poorly

Taxonomy (Subgroup): Aquic Argiudolls

Field Observations Confirm Mapped Type? **No**

Profile Description:

<u>Depth (in.)</u>	<u>Horizon</u>	<u>Matrix Color</u> (Munsell Moist)	<u>Mottle Color</u> (Munsell Moist)	<u>Mottle</u> (Abund./Contrast)	<u>Texture, Concretions,</u> <u>Structure, Etc.</u>
0 to 5	A	10YR 3/2	none	none	SiL
5 to 8	B1	10YR 3/2	none	none	SiCL
8 to 14	B2	10YR 3/2 and 4/4	none	none	SiCL/ gravel

Hydric Soil Indicators:

- | | |
|--|---|
| <input type="checkbox"/> Histosol | <input type="checkbox"/> Bright Mottling Within a Depleted Matrix |
| <input type="checkbox"/> Histic Epipedon | <input type="checkbox"/> Concretions |
| <input type="checkbox"/> Sulfidic Odor | <input type="checkbox"/> High Organic Content in Surface Layer |
| <input type="checkbox"/> Aquic Moisture Regime | <input type="checkbox"/> Organic Streaking in Sandy Soils |
| <input type="checkbox"/> Reducing Conditions | <input type="checkbox"/> Listed on Local Hydric Soils List |
| <input type="checkbox"/> Gleyed | <input type="checkbox"/> Listed on National Hydric Soils List |
| <input type="checkbox"/> Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks) |

USDA Hydric Soils Field Indicator: None

NRCS Mapped Type: Unknown

Remarks:

Appears to be filled with topsoil above. No hydric soil indicators noted.

SITE CONDITIONS AND WETLAND DETERMINATION

Site Conditions:

Do normal circumstances exist in the plant community? (If no, explain) **Yes**

Have the veg., soils, and/or hydrology been significantly disturbed? (If yes, explain) **No**

Is the site a problem area? (If yes, explain) **No**

Remarks:

Wetland Determination:

Based on the foregoing:

Are Hydrophytic Plants Dominant? **No**

Is Wetland Hydrology Present? **No**

Are Wetland Soils Present? **No**

Is This Sampling Point Within A Wetland?

No

Remarks:

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Determination Manual)

Project Name: ATC North Madison to Huiskamp	Date: 09/14/2005
Project Number: 2005-0194	County: Dane
Observers: RGD	State: WI
	Quarter: SE
Plant Community Area: P3	Section: 15
Transect: T1	Township: 8N
Sample Site: P3T1S1	Range: 9E

VEGETATION

<u>Dominant Plant Species</u>	<u>Stratum</u>	<u>Indicator</u>	<u>Secondary Plant Species</u>	<u>Stratum</u>	<u>Indicator</u>
Phalaris arundinacea	H	FACW+	Sonchus arvensis	H	FAC-
			Scirpus atrovirens	H	OBL
			Typha latifolia	H	OBL
			Carex spp.	H	
Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-):		100.0%			
Remarks: Low wet area associated with a drain running out of an agricultural field.					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake or Tide Gauge <input checked="" type="checkbox"/> Aerial Photo <input checked="" type="checkbox"/> Other Field Observations: Depth of Surface Water: None Depth of Soil Pit: 18 Depth to Free Water in Pit: None Depth to Saturated Soil: None Remarks: Aerial photo and USGS topographic map show a drain and associated depression.	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Root Zone <input type="checkbox"/> Water Marks <input type="checkbox"/> None <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <input type="checkbox"/> Floodway Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Root Zone <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input checked="" type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> None
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SOILS

Map Unit Name: RADFORD SILT LOA Drainage Class: Somewhat Poorly
Taxonomy (Subgroup): Fluventic Hapludolls

Field Observations Confirm Mapped Type? **No**

Profile Description:

Depth (in.)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle (Abund./Contrast)	Texture, Concretions, Structure, Etc.
0 to 7	A	10YR 3/2	none	none	SiL
7 to 18	B	10YR 3/2	10YR 4/6	c2d	SiCL

Hydric Soil Indicators:

- | | |
|---|--|
| <input type="checkbox"/> Histosol | <input checked="" type="checkbox"/> Bright Mottling Within a Depleted Matrix |
| <input type="checkbox"/> Histic Epipedon | <input type="checkbox"/> Concretions |
| <input type="checkbox"/> Sulfidic Odor | <input type="checkbox"/> High Organic Content in Surface Layer |
| <input type="checkbox"/> Aquic Moisture Regime | <input type="checkbox"/> Organic Streaking in Sandy Soils |
| <input type="checkbox"/> Reducing Conditions | <input type="checkbox"/> Listed on Local Hydric Soils List |
| <input type="checkbox"/> Gleyed | <input type="checkbox"/> Listed on National Hydric Soils List |
| <input checked="" type="checkbox"/> Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks) |

USDA Hydric Soils Field Indicator: F6

NRCS Mapped Type: Unknown

Remarks:

Oxidized rhizospheres at 7-10 inches.

SITE CONDITIONS AND WETLAND DETERMINATION

Site Conditions:

Do normal circumstances exist in the plant community? (If no, explain)	Yes
Have the veg., soils, and/or hydrology been significantly disturbed? (If yes, explain)	No
Is the site a problem area? (If yes, explain)	No

Remarks:

Wetland Determination:

Based on the foregoing:

Are Hydrophytic Plants Dominant?	Yes	Is This Sampling Point Within A Wetland?
Is Wetland Hydrology Present?	Yes	
Are Wetland Soils Present?	Yes	

Remarks:

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Determination Manual)

Project Name: ATC North Madison to Huiskamp	Date: 09/14/2005
Project Number: 2005-0194	County: Dane
Observers: RGD	State: WI
	Quarter: SE
Plant Community Area: P3	Section: 15
Transect: T1	Township: 8N
Sample Site: P3T1S2	Range: 9E

VEGETATION

<u>Dominant Plant Species</u>	<u>Stratum</u>	<u>Indicator</u>	<u>Secondary Plant Species</u>	<u>Stratum</u>	<u>Indicator</u>
Poa pratensis	H	FAC-	Phalaris arundinacea	H	FACW+
Daucus carota	H	NI	Sonchus arvensis	H	FAC-
Pastinaca sativa	H	NI	Taraxacum officinale	H	FACU
			Trifolium pratense	H	FACU+
			Cichorium intybus	H	UPL
Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-):		0.0%			
Remarks: Sample point along edge of road berm.					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake or Tide Gauge <input type="checkbox"/> Aerial Photo <input type="checkbox"/> Other Field Observations: Depth of Surface Water: None Depth of Soil Pit: 12 Depth to Free Water in Pit: None Depth to Saturated Soil: None Remarks:	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Root Zone <input type="checkbox"/> Water Marks <input checked="" type="checkbox"/> None <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <input type="checkbox"/> Floodway Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Root Zone <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks) <input checked="" type="checkbox"/> None
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SOILS

Map Unit Name: RADFORD SILT LOA Drainage Class: Somewhat Poorly
Taxonomy (Subgroup): Fluventic Hapludolls

Field Observations Confirm Mapped Type? **No**

Profile Description:

Depth (in.)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle (Abund./Contrast)	Texture, Concretions, Structure, Etc.
0 to 3	A	10YR 3/1	none	none	SiL
3 to 12	B	10YR 4/4	none	none	SiCL/gravel

Hydric Soil Indicators:

- | | |
|--|---|
| <input type="checkbox"/> Histosol | <input type="checkbox"/> Bright Mottling Within a Depleted Matrix |
| <input type="checkbox"/> Histic Epipedon | <input type="checkbox"/> Concretions |
| <input type="checkbox"/> Sulfidic Odor | <input type="checkbox"/> High Organic Content in Surface Layer |
| <input type="checkbox"/> Aquic Moisture Regime | <input type="checkbox"/> Organic Streaking in Sandy Soils |
| <input type="checkbox"/> Reducing Conditions | <input type="checkbox"/> Listed on Local Hydric Soils List |
| <input type="checkbox"/> Gleyed | <input type="checkbox"/> Listed on National Hydric Soils List |
| <input type="checkbox"/> Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks) |

USDA Hydric Soils Field Indicator: None

NRCS Mapped Type: Unknown

Remarks:

Appears to be road fill covers with topsoil.

SITE CONDITIONS AND WETLAND DETERMINATION

Site Conditions:

Do normal circumstances exist in the plant community? (If no, explain)	Yes
Have the veg., soils, and/or hydrology been significantly disturbed? (If yes, explain)	No
Is the site a problem area? (If yes, explain)	No

Remarks:

Wetland Determination:

Based on the foregoing:

Are Hydrophytic Plants Dominant?	No	Is This Sampling Point Within A Wetland?
Is Wetland Hydrology Present?	No	
Are Wetland Soils Present?	No	

Remarks:

DATA FORM

ROUTINE WETLAND DETERMINATION

(1987 COE Wetlands Determination Manual)

Project Name: ATC North Madison to Huiskamp	Date: 09/14/2005
Project Number: 2005-0194	County: Dane
Observers: RGD	State: WI
	Quarter: NE
Plant Community Area: P4	Section: 22
Transect: T1	Township: 8N
Sample Site: P4T1S1	Range: 9E

VEGETATION

Dominant Plant Species	Stratum	Indicator	Secondary Plant Species	Stratum	Indicator
Phalaris arundinacea	H	FACW+	Salix amygdaloides	T	FACW
Salix interior	S	OBL	Typha latifolia	H	OBL
			Scirpus atrovirens	H	OBL
			Populus deltoides	T	FAC+
			Acer negundo	T	FACW-
			Ribes americanum	S	FACW
			Solidago gigantea	H	FACW
			Vitis riparia	V	FACW-
			Cornus sericea	S	FACW
			Polygonum amphibium	H	OBL
Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-):					

HYDROLOGY

<p><input type="checkbox"/> Recorded Data (Describe in Remarks):</p> <p style="margin-left: 20px;"> <input type="checkbox"/> Stream, Lake or Tide Gauge <input checked="" type="checkbox"/> Aerial Photo <input type="checkbox"/> Other </p> <p>Field Observations:</p> <p style="margin-left: 20px;"> Depth of Surface Water: None Depth of Soil Pit: 16 Depth to Free Water in Pit: None Depth to Saturated Soil: 10 </p> <p>Remarks:</p> <p style="margin-left: 20px;">Aerial photos show a series of drains associated with a grass/shrub area.</p>	<p>Wetland Hydrology Indicators:</p> <p>Primary Indicators:</p> <p style="margin-left: 20px;"> <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in Root Zone <input type="checkbox"/> Water Marks <input type="checkbox"/> None <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <input type="checkbox"/> Floodway </p> <p>Secondary Indicators (2 or more required):</p> <p style="margin-left: 20px;"> <input type="checkbox"/> Oxidized Root Channels in Root Zone <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> None </p>
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SOILS

Map Unit Name: SABLE SILTY CLAY

Drainage Class: Poorly

Taxonomy (Subgroup): Typic Haplaquolls

Field Observations Confirm Mapped Type? **No**

Profile Description:

Depth (in.)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle (Abund./Contrast)	Texture, Concretions, Structure, Etc.
0 to 6	A	10YR 2/1	none	none	SiL
6 to 16	B	10YR 5/2	10YR 4/8	c2d	SiCL

Hydric Soil Indicators:

- | | |
|---|--|
| <input type="checkbox"/> Histosol | <input checked="" type="checkbox"/> Bright Mottling Within a Depleted Matrix |
| <input type="checkbox"/> Histic Epipedon | <input type="checkbox"/> Concretions |
| <input type="checkbox"/> Sulfidic Odor | <input type="checkbox"/> High Organic Content in Surface Layer |
| <input type="checkbox"/> Aquic Moisture Regime | <input type="checkbox"/> Organic Streaking in Sandy Soils |
| <input type="checkbox"/> Reducing Conditions | <input type="checkbox"/> Listed on Local Hydric Soils List |
| <input type="checkbox"/> Gleyed | <input type="checkbox"/> Listed on National Hydric Soils List |
| <input checked="" type="checkbox"/> Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks) |

USDA Hydric Soils Field Indicator: F2

NRCS Mapped Type: Unknown

Remarks:

Sample Point in flat area between road fill and drain.

SITE CONDITIONS AND WETLAND DETERMINATION

Site Conditions:

- | | |
|--|------------|
| Do normal circumstances exist in the plant community? (If no, explain) | Yes |
| Have the veg., soils, and/or hydrology been significantly disturbed? (If yes, explain) | No |
| Is the site a problem area? (If yes, explain) | No |

Remarks:

Wetland Determination:

Based on the foregoing:

- | | | |
|----------------------------------|------------|--|
| Are Hydrophytic Plants Dominant? | Yes | Is This Sampling Point Within A Wetland? |
| Is Wetland Hydrology Present? | Yes | |
| Are Wetland Soils Present? | Yes | |

Remarks:

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Determination Manual)

Project Name: ATC North Madison to Huiskamp	Date: 09/14/2005
Project Number: 2005-0194	County: Dane
Observers: RGD	State: WI
	Quarter: NE
Plant Community Area: P4	Section: 22
Transect: T1	Township: 8N
Sample Site: P4T1S2	Range: 9E

VEGETATION

<u>Dominant Plant Species</u>	<u>Stratum</u>	<u>Indicator</u>	<u>Secondary Plant Species</u>	<u>Stratum</u>	<u>Indicator</u>
Poa pratensis	H	FAC-	Amaranthus retroflexus	H	FACU+
Setaria glauca	H	FAC	Phalaris arundinacea	H	FACW+
Linaria vulgaris	H	UPL	Apocynum cannabinum	H	FAC
			Melilotus officinalis	H	FACU
Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-):		33.3%			
Remarks: Along road berm.					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake or Tide Gauge <input type="checkbox"/> Aerial Photo <input type="checkbox"/> Other Field Observations: Depth of Surface Water: None Depth of Soil Pit: 10 Depth to Free Water in Pit: None Depth to Saturated Soil: None Remarks:	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Root Zone <input type="checkbox"/> Water Marks <input checked="" type="checkbox"/> None <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <input type="checkbox"/> Floodway Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Root Zone <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks) <input checked="" type="checkbox"/> None
--	--

SOILS

Map Unit Name: SABLE SILTY CLAY

Drainage Class: Poorly

Taxonomy (Subgroup): Typic Haplaquolls

Field Observations Confirm Mapped Type? **No**

Profile Description:

Depth (in.)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle (Abund./Contrast)	Texture, Concretions, Structure, Etc.
0 to 3	A	10YR 2/2	none	none	SiL
3 to 10	B	10YR 4/4	none	none	SiCL/gravel

Hydric Soil Indicators:

- | | |
|--|---|
| <input type="checkbox"/> Histosol | <input type="checkbox"/> Bright Mottling Within a Depleted Matrix |
| <input type="checkbox"/> Histic Epipedon | <input type="checkbox"/> Concretions |
| <input type="checkbox"/> Sulfidic Odor | <input type="checkbox"/> High Organic Content in Surface Layer |
| <input type="checkbox"/> Aquic Moisture Regime | <input type="checkbox"/> Organic Streaking in Sandy Soils |
| <input type="checkbox"/> Reducing Conditions | <input type="checkbox"/> Listed on Local Hydric Soils List |
| <input type="checkbox"/> Gleyed | <input type="checkbox"/> Listed on National Hydric Soils List |
| <input type="checkbox"/> Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks) |

USDA Hydric Soils Field Indicator: None

NRCS Mapped Type: Unknown

Remarks:

Fill for road - no indicators of hydric soils noted.

SITE CONDITIONS AND WETLAND DETERMINATION

Site Conditions:

- | | |
|--|------------|
| Do normal circumstances exist in the plant community? (If no, explain) | Yes |
| Have the veg., soils, and/or hydrology been significantly disturbed? (If yes, explain) | No |
| Is the site a problem area? (If yes, explain) | No |

Remarks:

Wetland Determination:

Based on the foregoing:

- | | | |
|----------------------------------|-----------|--|
| Are Hydrophytic Plants Dominant? | No | Is This Sampling Point Within A Wetland? |
| Is Wetland Hydrology Present? | No | |
| Are Wetland Soils Present? | No | |

Remarks:

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Determination Manual)

Project Name: ATC North Madison to Huiskamp	Date: 09/15/2005
Project Number: 2005-0194	County: Dane
Observers: RGD	State: WI
	Quarter: NE
Plant Community Area: P5	Section: 22
Transect: T1	Township: 8N
Sample Site: P5T1S1	Range: 9E

VEGETATION

<u>Dominant Plant Species</u>	<u>Stratum</u>	<u>Indicator</u>	<u>Secondary Plant Species</u>	<u>Stratum</u>	<u>Indicator</u>
Phalaris arundinacea	H	FACW+	Cornus sericea	S	FACW
Impatiens capensis	H	FACW	Aster lateriflorus	H	FACW-
Sicyos angulatus	H	FACW-	Salix interior	S	OBL
Typha angustifolia	H	OBL	Ribes americanum	S	FACW
Salix amygdaloides	T	FACW	Polygonum amphibium	H	OBL
Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-):			100.0%		
Remarks: Sample point in low basin adjacent to road fill and debris pile.					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <div style="margin-left: 20px;"> <input type="checkbox"/> Stream, Lake or Tide Gauge <input checked="" type="checkbox"/> Aerial Photo <input type="checkbox"/> Other </div> <p>Field Observations:</p> <p>Depth of Surface Water: None</p> <p>Depth of Soil Pit: 16</p> <p>Depth to Free Water in Pit: 14</p> <p>Depth to Saturated Soil: 11</p> <p>Remarks: Aerial photo shows flat shrubby area along drain, between farm field and road.</p>	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in Root Zone <input type="checkbox"/> Water Marks <input type="checkbox"/> None <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <input type="checkbox"/> Floodway Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Root Zone <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> None
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SOILS

Map Unit Name: PALMS MUCK
Taxonomy (Subgroup): Terric Medisaprists

Drainage Class: Poorly

Field Observations Confirm Mapped Type? **No**

Profile Description:

Depth (in.)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle (Abund./Contrast)	Texture, Concretions, Structure, Etc.
0 to 6	A1	10YR 3/2	10YR 4/6	c1d	SiCL
6 to 7	A2	10YR 2/1	none	none	semi-decomp. organic
7 to 16	B	10YR 3/2	10YR 4/6	c2d	SiCL
0 to 0					

Hydric Soil Indicators:

- | | |
|---|--|
| <input type="checkbox"/> Histosol | <input checked="" type="checkbox"/> Bright Mottling Within a Depleted Matrix |
| <input type="checkbox"/> Histic Epipedon | <input type="checkbox"/> Concretions |
| <input type="checkbox"/> Sulfidic Odor | <input type="checkbox"/> High Organic Content in Surface Layer |
| <input type="checkbox"/> Aquic Moisture Regime | <input type="checkbox"/> Organic Streaking in Sandy Soils |
| <input type="checkbox"/> Reducing Conditions | <input type="checkbox"/> Listed on Local Hydric Soils List |
| <input type="checkbox"/> Gleyed | <input type="checkbox"/> Listed on National Hydric Soils List |
| <input checked="" type="checkbox"/> Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks) |

USDA Hydric Soils Field Indicator: F6

NRCS Mapped Type: Unknown

Remarks:

Oxidized rhizospheres observed at approximately 6-8 inches. Appears to be wash off of road berm over native soil.

SITE CONDITIONS AND WETLAND DETERMINATION

Site Conditions:

Do normal circumstances exist in the plant community? (If no, explain)	Yes
Have the veg., soils, and/or hydrology been significantly disturbed? (If yes, explain)	No
Is the site a problem area? (If yes, explain)	No

Remarks:

Wetland Determination:

Based on the foregoing:

Are Hydrophytic Plants Dominant?	Yes	Is This Sampling Point Within A Wetland?
Is Wetland Hydrology Present?	Yes	
Are Wetland Soils Present?	Yes	

Remarks:

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Determination Manual)

Project Name: ATC North Madison to Huiskamp	Date: 09/15/2005
Project Number: 2005-0194	County: Dane
Observers: RGD	State: WI
	Quarter: NE
Plant Community Area: P5	Section: 22
Transect: T1	Township: 8N
Sample Site: P5T1S2	Range: 9E

VEGETATION

<u>Dominant Plant Species</u>	<u>Stratum</u>	<u>Indicator</u>	<u>Secondary Plant Species</u>	<u>Stratum</u>	<u>Indicator</u>
Poa palustris	H	FACW+	Chenopodium album	H	FAC-
Daucus carota	H	NI	Taraxacum officinale	H	FACU
Cichorium intybus	H	UPL	Trifolium hybridum	H	FAC-
Salix amygdaloides	T	FACW	Seteria faberi	H	FACU+
			Asclepias syriaca	H	NI
			Lonicera X bella	S	FACU-
			Solidago canadensis	H	FACU
Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-):			50.0%		
Remarks: Sample point along lower edge of road berm.					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake or Tide Gauge <input type="checkbox"/> Aerial Photo <input type="checkbox"/> Other Field Observations: Depth of Surface Water: None Depth of Soil Pit: 14 Depth to Free Water in Pit: None Depth to Saturated Soil: None Remarks:	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Root Zone <input type="checkbox"/> Water Marks <input checked="" type="checkbox"/> None <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <input type="checkbox"/> Floodway Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Root Zone <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks) <input checked="" type="checkbox"/> None
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SOILS

Map Unit Name: PALMS MUCK
Taxonomy (Subgroup): Terric Medisaprists

Drainage Class: Poorly

Field Observations Confirm Mapped Type? **No**

Profile Description:

Depth (in.)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle (Abund./Contrast)	Texture, Concretions, Structure, Etc.
0 to 3	A	10YR 3/2	none	none	L
3 to 8	B1	10YR 4/3	none	none	SiCL/small gravel
8 to 14	B2	10YR 4/3	none	none	SiCL/large gravel

Hydric Soil Indicators:

- | | |
|--|---|
| <input type="checkbox"/> Histosol | <input type="checkbox"/> Bright Mottling Within a Depleted Matrix |
| <input type="checkbox"/> Histic Epipedon | <input type="checkbox"/> Concretions |
| <input type="checkbox"/> Sulfidic Odor | <input type="checkbox"/> High Organic Content in Surface Layer |
| <input type="checkbox"/> Aquic Moisture Regime | <input type="checkbox"/> Organic Streaking in Sandy Soils |
| <input type="checkbox"/> Reducing Conditions | <input type="checkbox"/> Listed on Local Hydric Soils List |
| <input type="checkbox"/> Gleyed | <input type="checkbox"/> Listed on National Hydric Soils List |
| <input type="checkbox"/> Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks) |

USDA Hydric Soils Field Indicator: None

NRCS Mapped Type: Unknown

Remarks:

Road fill through wetland - no indicators of hydric soil observed.

SITE CONDITIONS AND WETLAND DETERMINATION

Site Conditions:

Do normal circumstances exist in the plant community? (If no, explain)	Yes
Have the veg., soils, and/or hydrology been significantly disturbed? (If yes, explain)	No
Is the site a problem area? (If yes, explain)	No

Remarks:

Wetland Determination:

Based on the foregoing:

Are Hydrophytic Plants Dominant?	No	Is This Sampling Point Within A Wetland?
Is Wetland Hydrology Present?	No	
Are Wetland Soils Present?	No	

Remarks:

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Determination Manual)

Project Name: ATC North Madison to Huiskamp	Date: 09/15/2005
Project Number: 2005-0194	County: Dane
Observers: RGD	State: WI
	Quarter: NE
Plant Community Area: A1	Section: 21
Transect: T1	Township: 9N
Sample Site: A1T1S1	Range: 9E

VEGETATION

<u>Dominant Plant Species</u>	<u>Stratum</u>	<u>Indicator</u>	<u>Secondary Plant Species</u>	<u>Stratum</u>	<u>Indicator</u>
Phalaris arundinacea	H	FACW+	Solanum dulcamara	H	FAC
Typha angustifolia	H	OBL			
Polygonum amphibium	H	OBL			
Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-):		100.0%			
Remarks: Sample point in depression between farm field and road berm.					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake or Tide Gauge <input checked="" type="checkbox"/> Aerial Photo <input checked="" type="checkbox"/> Other Field Observations: Depth of Surface Water: None Depth of Soil Pit: 16 Depth to Free Water in Pit: None Depth to Saturated Soil: None Remarks: Aerial photo and USGS map show a depression with standing water.	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Root Zone <input type="checkbox"/> Water Marks <input type="checkbox"/> None <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <input type="checkbox"/> Floodway Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Root Zone <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input checked="" type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> None
--	---

SOILS

Map Unit Name: SABLE SILTY CLAY

Drainage Class: Poorly

Taxonomy (Subgroup): Typic Haplaquolls

Field Observations Confirm Mapped Type? **No**

Profile Description:

Depth (in.)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle (Abund./Contrast)	Texture, Concretions, Structure, Etc.
0 to 6	A	10YR 3/1	10YR 4/4	f1f	SiL
6 to 16	B	10YR 3/2	10YR 4/6	c1d	SiCL

Hydric Soil Indicators:

- | | |
|---|--|
| <input type="checkbox"/> Histosol | <input checked="" type="checkbox"/> Bright Mottling Within a Depleted Matrix |
| <input type="checkbox"/> Histic Epipedon | <input type="checkbox"/> Concretions |
| <input type="checkbox"/> Sulfidic Odor | <input type="checkbox"/> High Organic Content in Surface Layer |
| <input type="checkbox"/> Aquic Moisture Regime | <input type="checkbox"/> Organic Streaking in Sandy Soils |
| <input type="checkbox"/> Reducing Conditions | <input type="checkbox"/> Listed on Local Hydric Soils List |
| <input type="checkbox"/> Gleyed | <input type="checkbox"/> Listed on National Hydric Soils List |
| <input checked="" type="checkbox"/> Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks) |

USDA Hydric Soils Field Indicator: F2

NRCS Mapped Type: Unknown

Remarks:

Oxidized rhizospheres observed between 6 and 10 inches in depth.

SITE CONDITIONS AND WETLAND DETERMINATION

Site Conditions:

- | | |
|--|------------|
| Do normal circumstances exist in the plant community? (If no, explain) | Yes |
| Have the veg., soils, and/or hydrology been significantly disturbed? (If yes, explain) | No |
| Is the site a problem area? (If yes, explain) | No |

Remarks:

Wetland Determination:

Based on the foregoing:

- | | | |
|----------------------------------|------------|--|
| Are Hydrophytic Plants Dominant? | Yes | Is This Sampling Point Within A Wetland? |
| Is Wetland Hydrology Present? | Yes | |
| Are Wetland Soils Present? | Yes | |

Remarks:

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Determination Manual)

Project Name: ATC North Madison to Huiskamp	Date: 09/15/2005
Project Number: 2005-0194	County: Dane
Observers: RGD	State: WI
	Quarter: NE
Plant Community Area: A1	Section: 21
Transect: T1	Township: 9N
Sample Site: A1T1S2	Range: 9E

VEGETATION

<u>Dominant Plant Species</u>	<u>Stratum</u>	<u>Indicator</u>	<u>Secondary Plant Species</u>	<u>Stratum</u>	<u>Indicator</u>
Poa pratensis	H	FAC-	Phalaris arundinacea	H	FACW+
Cichorium intybus	H	UPL			
Polygonum amphibium	H	OBL			
Taraxacum officinale	H	FACU			
Plantago major	H	FAC+			
Trifolium repens	H	FACU+			
Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-):		33.3%			

Remarks:

Sample point in depression between farm field and road berm, closer to intersection between berm and field than sample point 1.

HYDROLOGY

☐ Recorded Data (Describe in Remarks):

- ☐ Stream, Lake or Tide Gauge
- ☐ Aerial Photo
- ☐ Other

Field Observations:

Depth of Surface Water: None
Depth of Soil Pit: 12
Depth to Free Water in Pit: None
Depth to Saturated Soil: None

Remarks:

Wetland Hydrology Indicators:

Primary Indicators:

- ☐ Inundated
- ☐ Saturated in Root Zone
- ☐ Water Marks ☒ None
- ☐ Drift Lines
- ☐ Sediment Deposits
- ☐ Drainage Patterns in Wetlands
- ☐ Floodway

Secondary Indicators (2 or more required):

- ☐ Oxidized Root Channels in Root Zone
- ☐ Water-Stained Leaves
- ☐ Local Soil Survey Data
- ☐ FAC-Neutral Test
- ☐ Other (Explain in Remarks)
- ☒ None

SOILS

Map Unit Name: SABLE SILTY CLAY

Drainage Class: Poorly

Taxonomy (Subgroup): Typic Haplaquolls

Field Observations Confirm Mapped Type? **No**

Profile Description:

<u>Depth (in.)</u>	<u>Horizon</u>	<u>Matrix Color</u> (Munsell Moist)	<u>Mottle Color</u> (Munsell Moist)	<u>Mottle</u> (Abund./Contrast)	<u>Texture, Concretions,</u> <u>Structure, Etc.</u>
0 to 4	A	10YR 3/2	none	none	SiCL
4 to 12	B	10YR 4/3	none	none	SiCL/gravel

Hydric Soil Indicators:

- | | |
|--|---|
| <input type="checkbox"/> Histosol | <input type="checkbox"/> Bright Mottling Within a Depleted Matrix |
| <input type="checkbox"/> Histic Epipedon | <input type="checkbox"/> Concretions |
| <input type="checkbox"/> Sulfidic Odor | <input type="checkbox"/> High Organic Content in Surface Layer |
| <input type="checkbox"/> Aquic Moisture Regime | <input type="checkbox"/> Organic Streaking in Sandy Soils |
| <input type="checkbox"/> Reducing Conditions | <input type="checkbox"/> Listed on Local Hydric Soils List |
| <input type="checkbox"/> Gleyed | <input type="checkbox"/> Listed on National Hydric Soils List |
| <input type="checkbox"/> Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks) |

USDA Hydric Soils Field Indicator: None

NRCS Mapped Type: Unknown

Remarks:

No indicators of hydric soil observed.

SITE CONDITIONS AND WETLAND DETERMINATION

Site Conditions:

- | | |
|--|------------|
| Do normal circumstances exist in the plant community? (If no, explain) | Yes |
| Have the veg., soils, and/or hydrology been significantly disturbed? (If yes, explain) | No |
| Is the site a problem area? (If yes, explain) | No |

Remarks:

Wetland Determination:

Based on the foregoing:

- | | | |
|----------------------------------|-----------|--|
| Are Hydrophytic Plants Dominant? | No | Is This Sampling Point Within A Wetland? |
| Is Wetland Hydrology Present? | No | |
| Are Wetland Soils Present? | No | |

Remarks:

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Determination Manual)

Project Name: ATC North Madison to Huiskamp	Date: 09/15/2005
Project Number: 2005-0194	County: Dane
Observers: RGD	State: WI
	Quarter: SW
Plant Community Area: A2	Section: 33
Transect: T1	Township: 9N
Sample Site: A2T1S1	Range: 9E

VEGETATION

<u>Dominant Plant Species</u>	<u>Stratum</u>	<u>Indicator</u>	<u>Secondary Plant Species</u>	<u>Stratum</u>	<u>Indicator</u>
Phalaris arundinacea	H	FACW+	Sonchus arvensis	H	FAC-
Polygonum amphibium	H	OBL	Linaria vulgaris	H	UPL
Acer negundo	T	FACW-			
Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-):		100.0%			
Remarks: Swale along road filled with rocks.					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake or Tide Gauge <input checked="" type="checkbox"/> Aerial Photo <input type="checkbox"/> Other Field Observations: Depth of Surface Water: None Depth of Soil Pit: None Depth to Free Water in Pit: N/A Depth to Saturated Soil: N/A Remarks: Aerial photo shows dark signature surrounding vegetated pocket in low area long road. Water marks and sediment on rocks indicated periodic ponding of 2-3 inches.	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Root Zone <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> None <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <input type="checkbox"/> Floodway Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Root Zone <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> None
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SOILS

Map Unit Name: TROXEL SILT LOAM

Drainage Class: Moderately Well

Taxonomy (Subgroup): Typic Argiudolls

Field Observations Confirm Mapped Type? **No**

Profile Description:

<u>Depth (in.)</u>	<u>Horizon</u>	<u>Matrix Color</u> (Munsell Moist)	<u>Mottle Color</u> (Munsell Moist)	<u>Mottle</u> (Abund./Contrast)	<u>Texture, Concretions,</u> <u>Structure, Etc.</u>
0 to 0					Rocks

Hydric Soil Indicators:

- | | |
|--|---|
| <input type="checkbox"/> Histosol | <input type="checkbox"/> Bright Mottling Within a Depleted Matrix |
| <input type="checkbox"/> Histic Epipedon | <input type="checkbox"/> Concretions |
| <input type="checkbox"/> Sulfidic Odor | <input type="checkbox"/> High Organic Content in Surface Layer |
| <input type="checkbox"/> Aquic Moisture Regime | <input type="checkbox"/> Organic Streaking in Sandy Soils |
| <input type="checkbox"/> Reducing Conditions | <input type="checkbox"/> Listed on Local Hydric Soils List |
| <input type="checkbox"/> Gleyed | <input type="checkbox"/> Listed on National Hydric Soils List |
| <input type="checkbox"/> Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks) |

USDA Hydric Soils Field Indicator: N/A

NRCS Mapped Type: Unknown

Remarks:

Could not dig soil pit due to rock piles. Hydric soils assumed based on vegetation and hydrology indicators, patterns on a series of aerial photos, and historic tendency for farmers to place debris in unfarmable wet areas.

SITE CONDITIONS AND WETLAND DETERMINATION

Site Conditions:

Do normal circumstances exist in the plant community? (If no, explain)	Yes
Have the veg., soils, and/or hydrology been significantly disturbed? (If yes, explain)	No
Is the site a problem area? (If yes, explain)	Yes

Remarks:

Rock pile made evaluation of soils within study corridor impossible.

Wetland Determination:

Based on the foregoing:

Are Hydrophytic Plants Dominant?	Yes	Is This Sampling Point Within A Wetland?
Is Wetland Hydrology Present?	Yes	
Are Wetland Soils Present?	N/A	
		Yes

Remarks:

See notes under soils for explanation of soils parameter.

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Determination Manual)

Project Name: ATC North Madison to Huiskamp	Date: 09/15/2005
Project Number: 2005-0194	County: Dane
Observers: RGD	State: WI
	Quarter: SW
Plant Community Area: A2	Section: 33
Transect: T1	Township: 9N
Sample Site: A2T1S2	Range: 9E

VEGETATION

<u>Dominant Plant Species</u>	<u>Stratum</u>	<u>Indicator</u>	<u>Secondary Plant Species</u>	<u>Stratum</u>	<u>Indicator</u>
Bromus inermis	H	NI	Sonchus arvensis	H	FAC-
Cichorium intybus	H	UPL			
Trifolium pratense	H	FACU+			
Taraxacum officinale	H	FACU			
Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-):		0.0%			
Remarks: Sample point on road berm.					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake or Tide Gauge <input type="checkbox"/> Aerial Photo <input type="checkbox"/> Other Field Observations: Depth of Surface Water: None Depth of Soil Pit: 12 Depth to Free Water in Pit: None Depth to Saturated Soil: None Remarks:	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Root Zone <input type="checkbox"/> Water Marks <input checked="" type="checkbox"/> None <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <input type="checkbox"/> Floodway Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Root Zone <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks) <input checked="" type="checkbox"/> None
--	---

SOILS

Map Unit Name: TROXEL SILT LOAM

Drainage Class: Moderately Well

Taxonomy (Subgroup): Typic Argiudolls

Field Observations Confirm Mapped Type? **No**

Profile Description:

Depth (in.)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle (Abund./Contrast)	Texture, Concretions, Structure, Etc.
0 to 4	A	10YR 3/2	none	none	SiL
4 to 12	B	10YR 4/3	none	none	SiCL/gravel

Hydric Soil Indicators:

- | | |
|--|---|
| <input type="checkbox"/> Histosol | <input type="checkbox"/> Bright Mottling Within a Depleted Matrix |
| <input type="checkbox"/> Histic Epipedon | <input type="checkbox"/> Concretions |
| <input type="checkbox"/> Sulfidic Odor | <input type="checkbox"/> High Organic Content in Surface Layer |
| <input type="checkbox"/> Aquic Moisture Regime | <input type="checkbox"/> Organic Streaking in Sandy Soils |
| <input type="checkbox"/> Reducing Conditions | <input type="checkbox"/> Listed on Local Hydric Soils List |
| <input type="checkbox"/> Gleyed | <input type="checkbox"/> Listed on National Hydric Soils List |
| <input type="checkbox"/> Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks) |

USDA Hydric Soils Field Indicator: None

NRCS Mapped Type: Unknown

Remarks:

Road fill with topsoil dressing.

SITE CONDITIONS AND WETLAND DETERMINATION

Site Conditions:

- | | |
|--|------------|
| Do normal circumstances exist in the plant community? (If no, explain) | Yes |
| Have the veg., soils, and/or hydrology been significantly disturbed? (If yes, explain) | No |
| Is the site a problem area? (If yes, explain) | No |

Remarks:

Wetland Determination:

Based on the foregoing:

- | | | |
|----------------------------------|-----------|--|
| Are Hydrophytic Plants Dominant? | No | Is This Sampling Point Within A Wetland? |
| Is Wetland Hydrology Present? | No | |
| Are Wetland Soils Present? | No | |

Remarks:

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Determination Manual)

Project Name: ATC North Madison to Huiskamp	Date: 09/15/2005
Project Number: 2005-0194	County: Dane
Observers: RGD	State: WI
	Quarter: SW
Plant Community Area: A3	Section: 4
Transect: T1	Township: 8N
Sample Site: A3T1S1	Range: 9E

VEGETATION

<u>Dominant Plant Species</u>	<u>Stratum</u>	<u>Indicator</u>	<u>Secondary Plant Species</u>	<u>Stratum</u>	<u>Indicator</u>
Phalaris arundinacea	H	FACW+	Typha angustifolia	H	OBL
Polygonum amphibium	H	OBL	Vitis riparia	V	FACW-
Sonchus arvensis	H	FAC-	Solanum dulcamara	H	FAC
			Urtica dioica	H	FAC+
Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-):		66.7%			

Remarks:

Area is a dpression at the end of two drains running off of agricultural areas, ending in a box culvert under the road.

HYDROLOGY

☐ Recorded Data (Describe in Remarks):

- ☐ Stream, Lake or Tide Gauge
☒ Aerial Photo
☐ Other

Field Observations:

Depth of Surface Water: None
Depth of Soil Pit: 16
Depth to Free Water in Pit: None
Depth to Saturated Soil: None

Remarks:

Aerial photo shows two drains running off of farm fields.
Approximately two inches of standing water observed in the bottom of the box culvert (which is the lowest point).

Wetland Hydrology Indicators:

Primary Indicators:

- ☐ Inundated
☐ Saturated in Root Zone
☐ Water Marks ☐ None
☐ Drift Lines
☐ Sediment Deposits
☐ Drainage Patterns in Wetlands
☐ Floodway

Secondary Indicators (2 or more required):

- ☒ Oxidized Root Channels in Root Zone
☐ Water-Stained Leaves
☐ Local Soil Survey Data
☒ FAC-Neutral Test
☐ Other (Explain in Remarks)
☐ None

SOILS

Map Unit Name: HUNTSVILLE SILT L

Drainage Class: Well

Taxonomy (Subgroup): Cumulic Hapludolls

Field Observations Confirm Mapped Type? **No**

Profile Description:

Depth (in.)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle (Abund./Contrast)	Texture, Concretions, Structure, Etc.
0 to 6	A	10YR 2/2	none	none	SiL
6 to 16	B	10YR 3/2	10YR 4/4	c2f	SiCL

Hydric Soil Indicators:

- | | |
|---|--|
| <input type="checkbox"/> Histosol | <input checked="" type="checkbox"/> Bright Mottling Within a Depleted Matrix |
| <input type="checkbox"/> Histic Epipedon | <input type="checkbox"/> Concretions |
| <input type="checkbox"/> Sulfidic Odor | <input type="checkbox"/> High Organic Content in Surface Layer |
| <input type="checkbox"/> Aquic Moisture Regime | <input type="checkbox"/> Organic Streaking in Sandy Soils |
| <input type="checkbox"/> Reducing Conditions | <input type="checkbox"/> Listed on Local Hydric Soils List |
| <input type="checkbox"/> Gleyed | <input type="checkbox"/> Listed on National Hydric Soils List |
| <input checked="" type="checkbox"/> Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks) |

USDA Hydric Soils Field Indicator: F2

NRCS Mapped Type: Unknown

Remarks:

Oxidized rhizospheres at 6-8 inches.

SITE CONDITIONS AND WETLAND DETERMINATION

Site Conditions:

- | | |
|--|------------|
| Do normal circumstances exist in the plant community? (If no, explain) | Yes |
| Have the veg., soils, and/or hydrology been significantly disturbed? (If yes, explain) | No |
| Is the site a problem area? (If yes, explain) | NO |

Remarks:

Wetland Determination:

Based on the foregoing:

- | | | |
|----------------------------------|------------|--|
| Are Hydrophytic Plants Dominant? | Yes | Is This Sampling Point Within A Wetland? |
| Is Wetland Hydrology Present? | Yes | |
| Are Wetland Soils Present? | Yes | |

Remarks:

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Determination Manual)

Project Name: ATC North Madison to Huiskamp	Date: 09/15/2005
Project Number: 2005-0194	County: Dane
Observers: RGD	State: WI
	Quarter: SW
Plant Community Area: A3	Section: 4
Transect: T1	Township: 8N
Sample Site: A3T1S2	Range: 9E

VEGETATION

<u>Dominant Plant Species</u>	<u>Stratum</u>	<u>Indicator</u>	<u>Secondary Plant Species</u>	<u>Stratum</u>	<u>Indicator</u>
Bromus inermis	H	NI	Seteria faberi	H	FACU+
Cichorium intybus	H	UPL	Echinochloa crusgalli	H	FACW
Taraxacum officinale	H	FACU	Plantago major	H	FAC+
Chenopodium album	H	FAC-	Daucus carota	H	NI
			Arctium minus	H	NI
Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-):		0.0%			
Remarks: Grassy swale between road berm and farm field.					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake or Tide Gauge <input type="checkbox"/> Aerial Photo <input type="checkbox"/> Other Field Observations: Depth of Surface Water: None Depth of Soil Pit: 13 Depth to Free Water in Pit: None Depth to Saturated Soil: None Remarks: Swale running down to culvert along roadside.	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Root Zone <input type="checkbox"/> Water Marks <input checked="" type="checkbox"/> None <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <input type="checkbox"/> Floodway Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Root Zone <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks) <input checked="" type="checkbox"/> None
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SOILS

Map Unit Name: HUNTSVILLE SILT L

Drainage Class: Well

Taxonomy (Subgroup): Cumulic Hapludolls

Field Observations Confirm Mapped Type? **No**

Profile Description:

<u>Depth (in.)</u>	<u>Horizon</u>	<u>Matrix Color</u> (Munsell Moist)	<u>Mottle Color</u> (Munsell Moist)	<u>Mottle</u> (Abund./Contrast)	<u>Texture, Concretions,</u> <u>Structure, Etc.</u>
0 to 6	A	10YR 3/2	none	none	SiL
6 to 13	B	10YR 4/4	none	none	SiCL/gravel

Hydric Soil Indicators:

- | | |
|--|---|
| <input type="checkbox"/> Histosol | <input type="checkbox"/> Bright Mottling Within a Depleted Matrix |
| <input type="checkbox"/> Histic Epipedon | <input type="checkbox"/> Concretions |
| <input type="checkbox"/> Sulfidic Odor | <input type="checkbox"/> High Organic Content in Surface Layer |
| <input type="checkbox"/> Aquic Moisture Regime | <input type="checkbox"/> Organic Streaking in Sandy Soils |
| <input type="checkbox"/> Reducing Conditions | <input type="checkbox"/> Listed on Local Hydric Soils List |
| <input type="checkbox"/> Gleyed | <input type="checkbox"/> Listed on National Hydric Soils List |
| <input type="checkbox"/> Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks) |

USDA Hydric Soils Field Indicator: None

NRCS Mapped Type: Unknown

Remarks:

Fill from road grade construction.

SITE CONDITIONS AND WETLAND DETERMINATION

Site Conditions:

- | | |
|--|------------|
| Do normal circumstances exist in the plant community? (If no, explain) | Yes |
| Have the veg., soils, and/or hydrology been significantly disturbed? (If yes, explain) | No |
| Is the site a problem area? (If yes, explain) | No |

Remarks:

Wetland Determination:

Based on the foregoing:

- | | | |
|----------------------------------|-----------|--|
| Are Hydrophytic Plants Dominant? | No | Is This Sampling Point Within A Wetland? |
| Is Wetland Hydrology Present? | No | |
| Are Wetland Soils Present? | No | |

Remarks:

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Determination Manual)

Project Name: ATC North Madison to Huiskamp	Date: 09/15/2005
Project Number: 2005-0194	County: Dane
Observers: RGD	State: WI
	Quarter: SW
Plant Community Area: A4	Section: 9
Transect: T1	Township: 8N
Sample Site: A4T1S1	Range: 9E

VEGETATION

<u>Dominant Plant Species</u>	<u>Stratum</u>	<u>Indicator</u>	<u>Secondary Plant Species</u>	<u>Stratum</u>	<u>Indicator</u>
Phalaris arundinacea	H	FACW+	Lycopus americanus	H	OBL
Carex scoparia	H	FACW	Aster lateriflorus	H	FACW-
Solidago gigantea	H	FACW	Scirpus atrovirens	H	OBL
			Cornus sericea	S	FACW
			Ribes americanum	S	FACW
Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-):		100.0%			
Remarks: Sloping area near excavated pond in floodplain of Six Mile Creek					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input checked="" type="checkbox"/> Stream, Lake or Tide Gauge <input checked="" type="checkbox"/> Aerial Photo <input type="checkbox"/> Other Field Observations: Depth of Surface Water: None Depth of Soil Pit: 18 Depth to Free Water in Pit: None Depth to Saturated Soil: None Remarks: Shows as flat floodplain area on aerial photo and USGS topographic map.	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Root Zone <input type="checkbox"/> Water Marks <input checked="" type="checkbox"/> None <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <input type="checkbox"/> Floodway Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Root Zone <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input checked="" type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> None
---	--

SOILS

Map Unit Name: ORION SILT LOAM,

Drainage Class: Poorly

Taxonomy (Subgroup): Aquic Udifluvents

Field Observations Confirm Mapped Type? **No**

Profile Description:

Depth (in.)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle (Abund./Contrast)	Texture, Concretions, Structure, Etc.
0 to 6	A	10YR 3/1	none	none	SiL
6 to 18	B	10YR 5/2 (80%)	10YR 6/6	c2d	SiCL
6 to 18		10YR 2/1 (20%)	none	none	ec. organic

Hydric Soil Indicators:

- | | |
|---|--|
| <input type="checkbox"/> Histosol | <input checked="" type="checkbox"/> Bright Mottling Within a Depleted Matrix |
| <input type="checkbox"/> Histic Epipedon | <input type="checkbox"/> Concretions |
| <input type="checkbox"/> Sulfidic Odor | <input type="checkbox"/> High Organic Content in Surface Layer |
| <input type="checkbox"/> Aquic Moisture Regime | <input type="checkbox"/> Organic Streaking in Sandy Soils |
| <input type="checkbox"/> Reducing Conditions | <input type="checkbox"/> Listed on Local Hydric Soils List |
| <input type="checkbox"/> Gleyed | <input type="checkbox"/> Listed on National Hydric Soils List |
| <input checked="" type="checkbox"/> Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks) |

USDA Hydric Soils Field Indicator: F2

NRCS Mapped Type: Unknown

Remarks:

May be excavated material excavated from pond site. Oxidized rhizosphers 6-8 inches (may be suspect if excavated, unclear if roots were live).

SITE CONDITIONS AND WETLAND DETERMINATION

Site Conditions:

- | | |
|--|------------|
| Do normal circumstances exist in the plant community? (If no, explain) | Yes |
| Have the veg., soils, and/or hydrology been significantly disturbed? (If yes, explain) | Yes |
| Is the site a problem area? (If yes, explain) | Yes |

Remarks:

Area disturbed by adjacent excavation and landscaping. Area around sample point may have been covered with spoil. Hydrology may also have been altered by pond.

Wetland Determination:

Based on the foregoing:

- | | | |
|----------------------------------|------------|--|
| Are Hydrophytic Plants Dominant? | Yes | Is This Sampling Point Within A Wetland? |
| Is Wetland Hydrology Present? | Yes | |
| Are Wetland Soils Present? | Yes | |

Remarks:

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Determination Manual)

Project Name: ATC North Madison to Huiskamp	Date: 09/15/2005
Project Number: 2005-0194	County: Dane
Observers: RGD	State: WI
	Quarter: SW
Plant Community Area: A4	Section: 9
Transect: T1	Township: 8N
Sample Site: A4T1S2	Range: 9E

VEGETATION

<u>Dominant Plant Species</u>	<u>Stratum</u>	<u>Indicator</u>	<u>Secondary Plant Species</u>	<u>Stratum</u>	<u>Indicator</u>
Phalaris arundinacea	H	FACW+	Sonchus arvensis	H	FAC-
Daucus carota	H	NI	Pastinaca sativa	H	NI
Trifolium pratense	H	FACU+	Verbascum thapsus	H	UPL
Solidago canadensis	H	FACU	Asclepias syriaca	H	NI
Poa pratensis	H	FAC-			
Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-):			20.0%		
Remarks: Upllope from A4T1S1, toward fallow field.					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <div style="margin-left: 20px;"> <input type="checkbox"/> Stream, Lake or Tide Gauge <input type="checkbox"/> Aerial Photo <input type="checkbox"/> Other </div> Field Observations: Depth of Surface Water: None Depth of Soil Pit: 18 Depth to Free Water in Pit: None Depth to Saturated Soil: None Remarks: Oxidized rhizospheres 6-8 inches, similar to S1.	Wetland Hydrology Indicators: Primary Indicators: <div style="margin-left: 20px;"> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Root Zone <input type="checkbox"/> Water Marks <input checked="" type="checkbox"/> None <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <input type="checkbox"/> Floodway </div> Secondary Indicators (2 or more required): <div style="margin-left: 20px;"> <input checked="" type="checkbox"/> Oxidized Root Channels in Root Zone <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> None </div>
--	--

SOILS

Map Unit Name: ORION SILT LOAM,

Drainage Class: Poorly

Taxonomy (Subgroup): Aquic Udifluvents

Field Observations Confirm Mapped Type? **No**

Profile Description:

Depth (in.)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle (Abund./Contrast)	Texture, Concretions, Structure, Etc.
0 to 6	A	10YR 3/2	none	none	SiL
6 to 18	B	10YR 5/2	10YR 4/6	c2d	SiCL

Hydric Soil Indicators:

- | | |
|--|---|
| <input type="checkbox"/> Histosol | <input type="checkbox"/> Bright Mottling Within a Depleted Matrix |
| <input type="checkbox"/> Histic Epipedon | <input type="checkbox"/> Concretions |
| <input type="checkbox"/> Sulfidic Odor | <input type="checkbox"/> High Organic Content in Surface Layer |
| <input type="checkbox"/> Aquic Moisture Regime | <input type="checkbox"/> Organic Streaking in Sandy Soils |
| <input type="checkbox"/> Reducing Conditions | <input type="checkbox"/> Listed on Local Hydric Soils List |
| <input type="checkbox"/> Gleyed | <input type="checkbox"/> Listed on National Hydric Soils List |
| <input type="checkbox"/> Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks) |

USDA Hydric Soils Field Indicator: F2

NRCS Mapped Type: Unknown

Remarks:

May be excavated material from pond. However, no organic mixing as in S1?

SITE CONDITIONS AND WETLAND DETERMINATION

Site Conditions:

- | | |
|--|------------|
| Do normal circumstances exist in the plant community? (If no, explain) | Yes |
| Have the veg., soils, and/or hydrology been significantly disturbed? (If yes, explain) | Yes |
| Is the site a problem area? (If yes, explain) | Yes |

Remarks:

Area disturbed by adjacent excavation and landscaping. Area around sample point may have been covered with spoil. Hydrology may also have been altered by pond.

Wetland Determination:

Based on the foregoing:

- | | | |
|----------------------------------|------------|--|
| Are Hydrophytic Plants Dominant? | No | Is This Sampling Point Within A Wetland? |
| Is Wetland Hydrology Present? | No | |
| Are Wetland Soils Present? | Yes | |

Remarks:

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Determination Manual)

Project Name: ATC North Madison to Huiskamp	Date: 09/15/2005
Project Number: 2005-0194	County: Dane
Observers: RGD	State: WI
	Quarter: SW
Plant Community Area: A4	Section: 9
Transect: T2	Township: 8N
Sample Site: A4T2S1	Range: 9E

VEGETATION

<u>Dominant Plant Species</u>	<u>Stratum</u>	<u>Indicator</u>	<u>Secondary Plant Species</u>	<u>Stratum</u>	<u>Indicator</u>
Urtica dioica	H	FAC+	Helianthus grosseserratus	H	FACW-
Phaseolus lunatus	H	NI	Nepeta cataria	H	FAC-
Sicyos angulatus	H	FACW-	Alliaria petiolata	H	FAC
			Vitis riparia	V	FACW-
			Angelica atropurpurea	H	OBL
Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-):		66.7%			
Remarks: Flat area between railroad grade and greek.					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake or Tide Gauge <input checked="" type="checkbox"/> Aerial Photo <input checked="" type="checkbox"/> Other Field Observations: Depth of Surface Water: None Depth of Soil Pit: 16 Depth to Free Water in Pit: None Depth to Saturated Soil: None Remarks: Shows as flat floodplain area on aerial photo and USGS topographic map.	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Root Zone <input type="checkbox"/> Water Marks <input checked="" type="checkbox"/> None <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <input type="checkbox"/> Floodway Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Root Zone <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input checked="" type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> None
---	--

SOILS

Map Unit Name: ORION SILT LOAM,

Drainage Class: Poorly

Taxonomy (Subgroup): Aquic Udifluvents

Field Observations Confirm Mapped Type? **No**

Profile Description:

Depth (in.)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle (Abund./Contrast)	Texture, Concretions, Structure, Etc.
0 to 8		10YR 3/1	none	none	SiL
0 to 16		10YR 4/2	10YR 4/6	c2d	SiCL

Hydric Soil Indicators:

- | | |
|---|--|
| <input type="checkbox"/> Histosol | <input checked="" type="checkbox"/> Bright Mottling Within a Depleted Matrix |
| <input type="checkbox"/> Histic Epipedon | <input type="checkbox"/> Concretions |
| <input type="checkbox"/> Sulfidic Odor | <input type="checkbox"/> High Organic Content in Surface Layer |
| <input type="checkbox"/> Aquic Moisture Regime | <input type="checkbox"/> Organic Streaking in Sandy Soils |
| <input type="checkbox"/> Reducing Conditions | <input type="checkbox"/> Listed on Local Hydric Soils List |
| <input type="checkbox"/> Gleyed | <input type="checkbox"/> Listed on National Hydric Soils List |
| <input checked="" type="checkbox"/> Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks) |

USDA Hydric Soils Field Indicator: F2

NRCS Mapped Type: Unknown

Remarks:

SITE CONDITIONS AND WETLAND DETERMINATION

Site Conditions:

- | | |
|--|------------|
| Do normal circumstances exist in the plant community? (If no, explain) | Yes |
| Have the veg., soils, and/or hydrology been significantly disturbed? (If yes, explain) | No |
| Is the site a problem area? (If yes, explain) | No |

Remarks:

Wetland Determination:

Based on the foregoing:

- | | | |
|----------------------------------|------------|--|
| Are Hydrophytic Plants Dominant? | Yes | Is This Sampling Point Within A Wetland? |
| Is Wetland Hydrology Present? | Yes | |
| Are Wetland Soils Present? | Yes | |

Remarks:

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Determination Manual)

Project Name: ATC North Madison to Huiskamp	Date: 09/15/2005
Project Number: 2005-0194	County: Dane
Observers: RGD	State: WI
	Quarter: SW
Plant Community Area: A4	Section: 9
Transect: T2	Township: 8N
Sample Site: A4T2S2	Range: 9E

VEGETATION

<u>Dominant Plant Species</u>	<u>Stratum</u>	<u>Indicator</u>	<u>Secondary Plant Species</u>	<u>Stratum</u>	<u>Indicator</u>
Arctium minus	H	NI	Verbascum thapsus	H	UPL
Nepeta cataria	H	FAC-	Alliaria petiolata	H	FAC
Trifolium pratense	H	FACU+	Urtica dioica	H	FAC+
Chenopodium album	H	FAC-			
Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-):		0.0%			
Remarks: Sloping area at base of railroad grade.					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <div style="margin-left: 20px;"> <input type="checkbox"/> Stream, Lake or Tide Gauge <input type="checkbox"/> Aerial Photo <input type="checkbox"/> Other </div> Field Observations: Depth of Surface Water: None Depth of Soil Pit: 13 Depth to Free Water in Pit: None Depth to Saturated Soil: None Remarks:	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Root Zone <input type="checkbox"/> Water Marks <input checked="" type="checkbox"/> None <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <input type="checkbox"/> Floodway Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Root Zone <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks) <input checked="" type="checkbox"/> None
--	--

SOILS

Map Unit Name: ORION SILT LOAM,

Drainage Class: Poorly

Taxonomy (Subgroup): Aquic Udifluvents

Field Observations Confirm Mapped Type? **No**

Profile Description:

<u>Depth (in.)</u>	<u>Horizon</u>	<u>Matrix Color</u> (Munsell Moist)	<u>Mottle Color</u> (Munsell Moist)	<u>Mottle</u> (Abund./Contrast)	<u>Texture, Concretions,</u> <u>Structure, Etc.</u>
0 to 12	A	10YR 3/1	none	none	SiL
12 to 13	B	N/A	none	none	coarse rock/gravel
0 to 0					

Hydric Soil Indicators:

- | | |
|--|---|
| <input type="checkbox"/> Histosol | <input type="checkbox"/> Bright Mottling Within a Depleted Matrix |
| <input type="checkbox"/> Histic Epipedon | <input type="checkbox"/> Concretions |
| <input type="checkbox"/> Sulfidic Odor | <input type="checkbox"/> High Organic Content in Surface Layer |
| <input type="checkbox"/> Aquic Moisture Regime | <input type="checkbox"/> Organic Streaking in Sandy Soils |
| <input type="checkbox"/> Reducing Conditions | <input type="checkbox"/> Listed on Local Hydric Soils List |
| <input type="checkbox"/> Gleyed | <input type="checkbox"/> Listed on National Hydric Soils List |
| <input type="checkbox"/> Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks) |

USDA Hydric Soils Field Indicator:

NRCS Mapped Type:

Remarks:

Soil forming over fill from railroad grade construction.

SITE CONDITIONS AND WETLAND DETERMINATION

Site Conditions:

- | | |
|--|------------|
| Do normal circumstances exist in the plant community? (If no, explain) | Yes |
| Have the veg., soils, and/or hydrology been significantly disturbed? (If yes, explain) | No |
| Is the site a problem area? (If yes, explain) | No |

Remarks:

Wetland Determination:

Based on the foregoing:

- | | | |
|----------------------------------|-----------|--|
| Are Hydrophytic Plants Dominant? | No | Is This Sampling Point Within A Wetland? |
| Is Wetland Hydrology Present? | No | |
| Are Wetland Soils Present? | No | |

Remarks:

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Determination Manual)

Project Name: ATC North Madison to Huiskamp	Date: 09/15/2005
Project Number: 2005-0194	County: Dane
Observers: RGD	State: WI
	Quarter: NE
Plant Community Area: A5	Section: 16
Transect: T1	Township: 8N
Sample Site: A5T1S1	Range: 9E

VEGETATION

<u>Dominant Plant Species</u>	<u>Stratum</u>	<u>Indicator</u>	<u>Secondary Plant Species</u>	<u>Stratum</u>	<u>Indicator</u>
Carex scoparia	H	FACW	Phalaris arundinacea	H	FACW+
Lythrum alatum	H	OBL	Lythrum salicaria	H	OBL
Poa palustris	H	FACW+	Urtica dioica	H	FAC+
Lycopus americanus	H	OBL	Scirpus atrovirens	H	OBL
Eupatorium perfoliatum	H	FACW+	Mentha arvensis	H	FACW+
Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-):			100.0%		
Remarks:					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <div style="margin-left: 20px;"> <input type="checkbox"/> Stream, Lake or Tide Gauge <input type="checkbox"/> Aerial Photo <input type="checkbox"/> Other </div> Field Observations: <div style="margin-left: 20px;"> Depth of Surface Water: None Depth of Soil Pit: 18 Depth to Free Water in Pit: None Depth to Saturated Soil: None </div> Remarks: Depression on stream terrace - water/sed. marks in wheel ruts.	Wetland Hydrology Indicators: Primary Indicators: <div style="margin-left: 20px;"> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Root Zone <input checked="" type="checkbox"/> Water Marks <input type="checkbox"/> None <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <input type="checkbox"/> Floodway </div> Secondary Indicators (2 or more required): <div style="margin-left: 20px;"> <input type="checkbox"/> Oxidized Root Channels in Root Zone <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> None </div>
--	--

SOILS

Map Unit Name: SABLE SILTY CLAY

Drainage Class: Poorly

Taxonomy (Subgroup): Typic Haplaquolls

Field Observations Confirm Mapped Type? **No**

Profile Description:

<u>Depth (in.)</u>	<u>Horizon</u>	<u>Matrix Color</u> (Munsell Moist)	<u>Mottle Color</u> (Munsell Moist)	<u>Mottle</u> (Abund./Contrast)	<u>Texture, Concretions,</u> <u>Structure, Etc.</u>
0 to 18	A	10YR 2/1	none	none	organic

Hydric Soil Indicators:

- | | |
|---|---|
| <input type="checkbox"/> Histosol | <input type="checkbox"/> Bright Mottling Within a Depleted Matrix |
| <input checked="" type="checkbox"/> Histic Epipedon | <input type="checkbox"/> Concretions |
| <input type="checkbox"/> Sulfidic Odor | <input type="checkbox"/> High Organic Content in Surface Layer |
| <input type="checkbox"/> Aquic Moisture Regime | <input type="checkbox"/> Organic Streaking in Sandy Soils |
| <input type="checkbox"/> Reducing Conditions | <input type="checkbox"/> Listed on Local Hydric Soils List |
| <input type="checkbox"/> Gleyed | <input type="checkbox"/> Listed on National Hydric Soils List |
| <input type="checkbox"/> Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks) |

USDA Hydric Soils Field Indicator: A2

NRCS Mapped Type: Unknown

Remarks:

SITE CONDITIONS AND WETLAND DETERMINATION

Site Conditions:

Do normal circumstances exist in the plant community? (If no, explain)	Yes
Have the veg., soils, and/or hydrology been significantly disturbed? (If yes, explain)	No
Is the site a problem area? (If yes, explain)	No

Remarks:

Wetland Determination:

Based on the foregoing:

Are Hydrophytic Plants Dominant?	Yes	Is This Sampling Point Within A Wetland?
Is Wetland Hydrology Present?	Yes	
Are Wetland Soils Present?	Yes	

Remarks:

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Determination Manual)

Project Name: ATC North Madison to Huiskamp	Date: 09/15/2005
Project Number: 2005-0194	County: Dane
Observers: RGD	State: WI
	Quarter: NE
Plant Community Area: A5	Section: 16
Transect: T1	Township: 8N
Sample Site: A5T1S2	Range: 9E

VEGETATION

<u>Dominant Plant Species</u>	<u>Stratum</u>	<u>Indicator</u>	<u>Secondary Plant Species</u>	<u>Stratum</u>	<u>Indicator</u>
Chenopodium album	H	FAC-	Solanum dulcamara	H	FAC
Verbascum thapsus	H	UPL	Sonchus arvensis	H	FAC-
Lonicera X bella	S	FACU-	Abutilon theophrasti	H	FACU-
Rubus idaeus	H	FACU+	Taraxacum officinale	H	FACU
Phalaris arundinacea	H	FACW+	Carex spp.	H	
			Lythrum alatum	H	OBL
Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-):		20.0%			
Remarks: On edge of depression, rising out of floodplain onto fallow field and RR grade.					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake or Tide Gauge <input type="checkbox"/> Aerial Photo <input type="checkbox"/> Other Field Observations: Depth of Surface Water: None Depth of Soil Pit: 16 Depth to Free Water in Pit: None Depth to Saturated Soil: None Remarks: Historic location of creek altered by RR grade.	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Root Zone <input type="checkbox"/> Water Marks <input checked="" type="checkbox"/> None <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <input type="checkbox"/> Floodway Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Root Zone <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks) <input checked="" type="checkbox"/> None
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SOILS

Map Unit Name: SABLE SILTY CLAY

Drainage Class: Poorly

Taxonomy (Subgroup): Typic Haplaquolls

Field Observations Confirm Mapped Type? **No**

Profile Description:

Depth (in.)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle (Abund./Contrast)	Texture, Concretions, Structure, Etc.
0 to 16	A	10YR 2/1	none	none	organic
0 to 0					

Hydric Soil Indicators:

- | | |
|---|---|
| <input type="checkbox"/> Histosol | <input type="checkbox"/> Bright Mottling Within a Depleted Matrix |
| <input checked="" type="checkbox"/> Histic Epipedon | <input type="checkbox"/> Concretions |
| <input type="checkbox"/> Sulfidic Odor | <input type="checkbox"/> High Organic Content in Surface Layer |
| <input type="checkbox"/> Aquic Moisture Regime | <input type="checkbox"/> Organic Streaking in Sandy Soils |
| <input type="checkbox"/> Reducing Conditions | <input type="checkbox"/> Listed on Local Hydric Soils List |
| <input type="checkbox"/> Gleyed | <input type="checkbox"/> Listed on National Hydric Soils List |
| <input type="checkbox"/> Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks) |

USDA Hydric Soils Field Indicator: A2

NRCS Mapped Type: Unknown

Remarks:

SITE CONDITIONS AND WETLAND DETERMINATION

Site Conditions:

Do normal circumstances exist in the plant community? (If no, explain)	Yes
Have the veg., soils, and/or hydrology been significantly disturbed? (If yes, explain)	No
Is the site a problem area? (If yes, explain)	No

Remarks:

Wetland Determination:

Based on the foregoing:

Are Hydrophytic Plants Dominant?	No	Is This Sampling Point Within A Wetland?
Is Wetland Hydrology Present?	No	
Are Wetland Soils Present?	Yes	

Remarks:

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Determination Manual)

Project Name: ATC North Madison to Huiskamp	Date: 09/15/2005
Project Number: 2005-0194	County: Dane
Observers: RGD	State: WI
	Quarter: SW
Plant Community Area: A5	Section: 15
Transect: T2	Township: 8N
Sample Site: A5T2S1	Range: 9E

VEGETATION

<u>Dominant Plant Species</u>	<u>Stratum</u>	<u>Indicator</u>	<u>Secondary Plant Species</u>	<u>Stratum</u>	<u>Indicator</u>
Phalaris arundinacea	H	FACW+	Urtica dioica	H	FAC+
Cornus sericea	S	FACW	Sicyos angulatus	H	FACW-
Eupatorium maculatum	H	OBL	Impatiens capensis	H	FACW
Carex spp.	H		Ribes americanum	S	FACW
			Prunella vulgaris	H	FACU
Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-):		75.0%			
Remarks:					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake or Tide Gauge <input type="checkbox"/> Aerial Photo <input type="checkbox"/> Other Field Observations: Depth of Surface Water: None Depth of Soil Pit: 18 Depth to Free Water in Pit: None Depth to Saturated Soil: None Remarks: Oxidized rhizospheres noted at 3-4 inches.	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Root Zone <input type="checkbox"/> Water Marks <input type="checkbox"/> None <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <input type="checkbox"/> Floodway Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Root Zone <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input checked="" type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> None
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SOILS

Map Unit Name: WACOUSTA SILTY

Drainage Class: Very Poorly

Taxonomy (Subgroup): Typic Haplaquolls

Field Observations Confirm Mapped Type? **No**

Profile Description:

Depth (in.)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle (Abund./Contrast)	Texture, Concretions, Structure, Etc.
0 to 6	A	10YR 2/2	none	none	SiL
6 to 14	B1	10YR 2/2	10YR 4/6	c2d	SiL
14 to 18	B2	10YR 5/2	10YR 4/6	c2d	SiCL

Hydric Soil Indicators:

- | | |
|---|--|
| <input type="checkbox"/> Histosol | <input checked="" type="checkbox"/> Bright Mottling Within a Depleted Matrix |
| <input type="checkbox"/> Histic Epipedon | <input type="checkbox"/> Concretions |
| <input type="checkbox"/> Sulfidic Odor | <input type="checkbox"/> High Organic Content in Surface Layer |
| <input type="checkbox"/> Aquic Moisture Regime | <input type="checkbox"/> Organic Streaking in Sandy Soils |
| <input type="checkbox"/> Reducing Conditions | <input type="checkbox"/> Listed on Local Hydric Soils List |
| <input type="checkbox"/> Gleyed | <input type="checkbox"/> Listed on National Hydric Soils List |
| <input checked="" type="checkbox"/> Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks) |

USDA Hydric Soils Field Indicator: F2

NRCS Mapped Type: Unknown

Remarks:

SITE CONDITIONS AND WETLAND DETERMINATION

Site Conditions:

- | | |
|--|------------|
| Do normal circumstances exist in the plant community? (If no, explain) | Yes |
| Have the veg., soils, and/or hydrology been significantly disturbed? (If yes, explain) | No |
| Is the site a problem area? (If yes, explain) | No |

Remarks:

Wetland Determination:

Based on the foregoing:

- | | | |
|----------------------------------|------------|--|
| Are Hydrophytic Plants Dominant? | Yes | Is This Sampling Point Within A Wetland? |
| Is Wetland Hydrology Present? | Yes | |
| Are Wetland Soils Present? | Yes | |

Remarks:

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Determination Manual)

Project Name: ATC North Madison to Huiskamp	Date: 09/15/2005
Project Number: 2005-0194	County: Dane
Observers: RGD	State: WI
	Quarter: SW
Plant Community Area: A5	Section: 15
Transect: T2	Township: 8N
Sample Site: A5T2S2	Range: 9E

VEGETATION

<u>Dominant Plant Species</u>	<u>Stratum</u>	<u>Indicator</u>	<u>Secondary Plant Species</u>	<u>Stratum</u>	<u>Indicator</u>
Verbascum thapsus	H	UPL	Sicyos angulatus	H	FACW-
Rhus typhina	S	NI	Rubus idaeus	H	FACU+
Phalaris arundinacea	H	FACW+	Aster novae-angliae	H	OBL
Abutilon theophrasti	H	FACU-	Solanum dulcamara	H	FAC
Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-):			25.0%		
Remarks:					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <div style="margin-left: 20px;"> <input type="checkbox"/> Stream, Lake or Tide Gauge <input type="checkbox"/> Aerial Photo <input type="checkbox"/> Other </div> Field Observations: <div style="margin-left: 20px;"> Depth of Surface Water: None Depth of Soil Pit: 16 Depth to Free Water in Pit: None Depth to Saturated Soil: None </div> Remarks:	Wetland Hydrology Indicators: Primary Indicators: <div style="margin-left: 20px;"> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Root Zone <input type="checkbox"/> Water Marks <input checked="" type="checkbox"/> None <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <input type="checkbox"/> Floodway </div> Secondary Indicators (2 or more required): <div style="margin-left: 20px;"> <input type="checkbox"/> Oxidized Root Channels in Root Zone <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks) <input checked="" type="checkbox"/> None </div>
--	---

SOILS

Map Unit Name: WACOUSTA SILTY

Drainage Class: Very Poorly

Taxonomy (Subgroup): Typic Haplaquolls

Field Observations Confirm Mapped Type? **No**

Profile Description:

<u>Depth (in.)</u>	<u>Horizon</u>	<u>Matrix Color</u> (Munsell Moist)	<u>Mottle Color</u> (Munsell Moist)	<u>Mottle</u> (Abund./Contrast)	<u>Texture, Concretions,</u> <u>Structure, Etc.</u>
0 to 8	A	10YR 3/3	none	none	SiL
8 to 16	B	10YR 3/3	none	none	SiL/gravel

Hydric Soil Indicators:

- | | |
|--|---|
| <input type="checkbox"/> Histosol | <input type="checkbox"/> Bright Mottling Within a Depleted Matrix |
| <input type="checkbox"/> Histic Epipedon | <input type="checkbox"/> Concretions |
| <input type="checkbox"/> Sulfidic Odor | <input type="checkbox"/> High Organic Content in Surface Layer |
| <input type="checkbox"/> Aquic Moisture Regime | <input type="checkbox"/> Organic Streaking in Sandy Soils |
| <input type="checkbox"/> Reducing Conditions | <input type="checkbox"/> Listed on Local Hydric Soils List |
| <input type="checkbox"/> Gleyed | <input type="checkbox"/> Listed on National Hydric Soils List |
| <input type="checkbox"/> Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks) |

USDA Hydric Soils Field Indicator: None

NRCS Mapped Type: Unknown

Remarks:

Probably fill or wash associated with the railroad grade.

SITE CONDITIONS AND WETLAND DETERMINATION

Site Conditions:

- | | |
|--|------------|
| Do normal circumstances exist in the plant community? (If no, explain) | Yes |
| Have the veg., soils, and/or hydrology been significantly disturbed? (If yes, explain) | No |
| Is the site a problem area? (If yes, explain) | No |

Remarks:

Wetland Determination:

Based on the foregoing:

- | | | |
|----------------------------------|-----------|--|
| Are Hydrophytic Plants Dominant? | No | Is This Sampling Point Within A Wetland? |
| Is Wetland Hydrology Present? | No | |
| Are Wetland Soils Present? | No | |

Remarks:

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Determination Manual)

Project Name: ATC North Madison to Huiskamp	Date: 09/15/2005
Project Number: 2005-0194	County: Dane
Observers: RGD	State: WI
	Quarter: NW
Plant Community Area: A6	Section: 22
Transect: T1	Township: 8N
Sample Site: A6T1S1	Range: 9E

VEGETATION

<u>Dominant Plant Species</u>	<u>Stratum</u>	<u>Indicator</u>	<u>Secondary Plant Species</u>	<u>Stratum</u>	<u>Indicator</u>
Helianthus grosseserratus	H	FACW-	Aster lateriflorus	H	FACW-
Phalaris arundinacea	H	FACW+	Amaranthus retroflexus	H	FACU+
Solidago gigantea	H	FACW			
Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-):		100.0%			
Remarks:					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake or Tide Gauge <input type="checkbox"/> Aerial Photo <input type="checkbox"/> Other Field Observations: Depth of Surface Water: None Depth of Soil Pit: 16 Depth to Free Water in Pit: None Depth to Saturated Soil: None Remarks: Unmaintained ditch and box culvert under RR grade.	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Root Zone <input type="checkbox"/> Water Marks <input type="checkbox"/> None <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <input type="checkbox"/> Floodway Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Root Zone <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input checked="" type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> None
--	---

SOILS

Map Unit Name: VIRGIL SILT LOAM

Drainage Class: Somewhat Poorly

Taxonomy (Subgroup): Udollic Ochraqualfs

Field Observations Confirm Mapped Type? **No**

Profile Description:

Depth (in.)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle (Abund./Contrast)	Texture, Concretions, Structure, Etc.
0 to 8	A	10YR 3/1	none	none	SiL
8 to 16	B	10YR 3/2	10YR 4/6	c2d	SiCL

Hydric Soil Indicators:

- | | |
|--|---|
| <input type="checkbox"/> Histosol | <input type="checkbox"/> Bright Mottling Within a Depleted Matrix |
| <input type="checkbox"/> Histic Epipedon | <input type="checkbox"/> Concretions |
| <input type="checkbox"/> Sulfidic Odor | <input type="checkbox"/> High Organic Content in Surface Layer |
| <input type="checkbox"/> Aquic Moisture Regime | <input type="checkbox"/> Organic Streaking in Sandy Soils |
| <input type="checkbox"/> Reducing Conditions | <input type="checkbox"/> Listed on Local Hydric Soils List |
| <input type="checkbox"/> Gleyed | <input type="checkbox"/> Listed on National Hydric Soils List |
| <input type="checkbox"/> Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks) |

USDA Hydric Soils Field Indicator: F2

NRCS Mapped Type: Unknown

Remarks:

Oxidized rhizospheres observed at 8-10 inches.

SITE CONDITIONS AND WETLAND DETERMINATION

Site Conditions:

- | | |
|--|------------|
| Do normal circumstances exist in the plant community? (If no, explain) | Yes |
| Have the veg., soils, and/or hydrology been significantly disturbed? (If yes, explain) | No |
| Is the site a problem area? (If yes, explain) | No |

Remarks:

Wetland Determination:

Based on the foregoing:

- | | | |
|----------------------------------|------------|--|
| Are Hydrophytic Plants Dominant? | Yes | Is This Sampling Point Within A Wetland? |
| Is Wetland Hydrology Present? | Yes | |
| Are Wetland Soils Present? | Yes | |

Remarks:

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Determination Manual)

Project Name: ATC North Madison to Huiskamp	Date: 09/15/2005
Project Number: 2005-0194	County: Dane
Observers: RGD	State: WI
	Quarter: NW
Plant Community Area: A6	Section: 22
Transect: T1	Township: 8N
Sample Site: A6T1S2	Range: 9E

VEGETATION

<u>Dominant Plant Species</u>	<u>Stratum</u>	<u>Indicator</u>	<u>Secondary Plant Species</u>	<u>Stratum</u>	<u>Indicator</u>
Phalaris arundinacea	H	FACW+	Cirsium arvense	H	FACU
Abutilon theophrasti	H	FACU-	Taraxacum officinale	H	FACU
Chenopodium album	H	FAC-			
Amaranthus retroflexus	H	FACU+			
Plantago major	H	FAC+			
Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-):		40.0%			
Remarks: Plowed but unplanted farm field.					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake or Tide Gauge <input type="checkbox"/> Aerial Photo <input type="checkbox"/> Other Field Observations: Depth of Surface Water: None Depth of Soil Pit: 18 Depth to Free Water in Pit: None Depth to Saturated Soil: None Remarks:	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Root Zone <input type="checkbox"/> Water Marks <input checked="" type="checkbox"/> None <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <input type="checkbox"/> Floodway Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Root Zone <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks) <input checked="" type="checkbox"/> None
--	---

SOILS

Map Unit Name: VIRGIL SILT LOAM

Drainage Class: Somewhat Poorly

Taxonomy (Subgroup): Udollic Ochraqualfs

Field Observations Confirm Mapped Type? **No**

Profile Description:

Depth (in.)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle (Abund./Contrast)	Texture, Concretions, Structure, Etc.
0 to 9	Ap	10YR 3/1	none	none	SiL
9 to 18	B	10YR 3/2	10YR 4/6	c1d	SiCL

Hydric Soil Indicators:

- | | |
|--|---|
| <input type="checkbox"/> Histosol | <input type="checkbox"/> Bright Mottling Within a Depleted Matrix |
| <input type="checkbox"/> Histic Epipedon | <input type="checkbox"/> Concretions |
| <input type="checkbox"/> Sulfidic Odor | <input type="checkbox"/> High Organic Content in Surface Layer |
| <input type="checkbox"/> Aquic Moisture Regime | <input type="checkbox"/> Organic Streaking in Sandy Soils |
| <input type="checkbox"/> Reducing Conditions | <input type="checkbox"/> Listed on Local Hydric Soils List |
| <input type="checkbox"/> Gleyed | <input type="checkbox"/> Listed on National Hydric Soils List |
| <input type="checkbox"/> Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks) |

USDA Hydric Soils Field Indicator: None

NRCS Mapped Type: Unknown

Remarks:

Soils plowed, probably in spring.

SITE CONDITIONS AND WETLAND DETERMINATION

Site Conditions:

- | | |
|--|------------|
| Do normal circumstances exist in the plant community? (If no, explain) | Yes |
| Have the veg., soils, and/or hydrology been significantly disturbed? (If yes, explain) | No |
| Is the site a problem area? (If yes, explain) | NO |

Remarks:

Wetland Determination:

Based on the foregoing:

- | | | |
|----------------------------------|------------|--|
| Are Hydrophytic Plants Dominant? | No | Is This Sampling Point Within A Wetland? |
| Is Wetland Hydrology Present? | No | |
| Are Wetland Soils Present? | Yes | |

Remarks:

DATA FORM

ROUTINE WETLAND DETERMINATION

(1987 COE Wetlands Determination Manual)

Project Name: ATC North Madison to Huiskamp	Date: 09/15/2005
Project Number: 2005-0194	County: Dane
Observers: RGD	State: WI
	Quarter: NW
Plant Community Area: A7	Section: 22
Transect: T1	Township: 8N
Sample Site: A7T1S1	Range: 9E

VEGETATION

Dominant Plant Species	Stratum	Indicator	Secondary Plant Species	Stratum	Indicator
Phalaris arundinacea	H	FACW+	Parthenocissus inserta	V	FACU
Helianthus grosseserratus	H	FACW-	Aster lateriflorus	H	FACW-
Salix amygdaloides	T	FACW	Solidago canadensis	H	FACU
Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-):					
Remarks: Depression along ROW next to tower - may have been created by construction of sewer line (new manhole evident).					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <div style="margin-left: 20px;"> <input type="checkbox"/> Stream, Lake or Tide Gauge <input type="checkbox"/> Aerial Photo <input type="checkbox"/> Other </div> Field Observations: Depth of Surface Water: None Depth of Soil Pit: 16 Depth to Free Water in Pit: None Depth to Saturated Soil: None	Wetland Hydrology Indicators: Primary Indicators: <div style="margin-left: 20px;"> <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Root Zone <input type="checkbox"/> Water Marks <input type="checkbox"/> None <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <input type="checkbox"/> Floodway </div> Secondary Indicators (2 or more required): <div style="margin-left: 20px;"> <input checked="" type="checkbox"/> Oxidized Root Channels in Root Zone <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input checked="" type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> None </div>
Remarks:	

SOILS

Map Unit Name: VIRGIL SILT LOAM

Drainage Class: Somewhat Poorly

Taxonomy (Subgroup): Udollic Ochraqualfs

Field Observations Confirm Mapped Type? **No**

Profile Description:

Depth (in.)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle (Abund./Contrast)	Texture, Concretions, Structure, Etc.
0 to 6	A	10YR 3/1	none	none	SiL
6 to 16	B	10YR 3/2	10YR 4/6	c1d	SiCL

Hydric Soil Indicators:

- | | |
|--|---|
| <input type="checkbox"/> Histosol | <input type="checkbox"/> Bright Mottling Within a Depleted Matrix |
| <input type="checkbox"/> Histic Epipedon | <input type="checkbox"/> Concretions |
| <input type="checkbox"/> Sulfidic Odor | <input type="checkbox"/> High Organic Content in Surface Layer |
| <input type="checkbox"/> Aquic Moisture Regime | <input type="checkbox"/> Organic Streaking in Sandy Soils |
| <input type="checkbox"/> Reducing Conditions | <input type="checkbox"/> Listed on Local Hydric Soils List |
| <input type="checkbox"/> Gleyed | <input type="checkbox"/> Listed on National Hydric Soils List |
| <input type="checkbox"/> Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks) |

USDA Hydric Soils Field Indicator: F2

NRCS Mapped Type: Unknown

Remarks:

Oxidized rhizospheres observed at 8 inches.

SITE CONDITIONS AND WETLAND DETERMINATION

Site Conditions:

- | | |
|--|------------|
| Do normal circumstances exist in the plant community? (If no, explain) | Yes |
| Have the veg., soils, and/or hydrology been significantly disturbed? (If yes, explain) | No |
| Is the site a problem area? (If yes, explain) | No |

Remarks:

Wetland Determination:

Based on the foregoing:

- | | | |
|----------------------------------|------------|--|
| Are Hydrophytic Plants Dominant? | Yes | Is This Sampling Point Within A Wetland? |
| Is Wetland Hydrology Present? | Yes | |
| Are Wetland Soils Present? | Yes | |

Remarks:

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Determination Manual)

Project Name: ATC North Madison to Huiskamp	Date: 09/15/2005
Project Number: 2005-0194	County: Dane
Observers: RGD	State: WI
	Quarter: NW
Plant Community Area: A7	Section: 22
Transect: T1	Township: 8N
Sample Site: A7T1S2	Range: 9E

VEGETATION

<u>Dominant Plant Species</u>	<u>Stratum</u>	<u>Indicator</u>	<u>Secondary Plant Species</u>	<u>Stratum</u>	<u>Indicator</u>
Helianthus grosseserratus	H	FACW-	Phalaris arundinacea	H	FACW+
Rhus typhina	S	NI	Vicia sativa	H	FACU-
Poa pratensis	H	FAC-			
Medicago sativa	H	NI			
Solidago canadensis	H	FACU			
Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-):		20.0%			
Remarks:					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake or Tide Gauge <input type="checkbox"/> Aerial Photo <input type="checkbox"/> Other Field Observations: Depth of Surface Water: None Depth of Soil Pit: 16 Depth to Free Water in Pit: None Depth to Saturated Soil: None Remarks:	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Root Zone <input type="checkbox"/> Water Marks <input checked="" type="checkbox"/> None <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands <input type="checkbox"/> Floodway Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Root Zone <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks) <input checked="" type="checkbox"/> None
--	---

SOILS

Map Unit Name: VIRGIL SILT LOAM

Drainage Class: Somewhat Poorly

Taxonomy (Subgroup): Udollic Ochraqualfs

Field Observations Confirm Mapped Type? **No**

Profile Description:

Depth (in.)	Horizon	Matrix Color (Munsell Moist)	Mottle Color (Munsell Moist)	Mottle (Abund./Contrast)	Texture, Concretions, Structure, Etc.
0 to 8	A	10YR 3/1	none	none	SiL
8 to 16	B	10YR 3/2	10YR 4/4	f1f	SiCL

Hydric Soil Indicators:

- | | |
|--|---|
| <input type="checkbox"/> Histosol | <input type="checkbox"/> Bright Mottling Within a Depleted Matrix |
| <input type="checkbox"/> Histic Epipedon | <input type="checkbox"/> Concretions |
| <input type="checkbox"/> Sulfidic Odor | <input type="checkbox"/> High Organic Content in Surface Layer |
| <input type="checkbox"/> Aquic Moisture Regime | <input type="checkbox"/> Organic Streaking in Sandy Soils |
| <input type="checkbox"/> Reducing Conditions | <input type="checkbox"/> Listed on Local Hydric Soils List |
| <input type="checkbox"/> Gleyed | <input type="checkbox"/> Listed on National Hydric Soils List |
| <input type="checkbox"/> Low-Chroma Colors | <input type="checkbox"/> Other (Explain in Remarks) |

USDA Hydric Soils Field Indicator: None

NRCS Mapped Type: Unknown

Remarks:

Redox 2-3% of B horizon.

SITE CONDITIONS AND WETLAND DETERMINATION

Site Conditions:

- | | |
|--|------------|
| Do normal circumstances exist in the plant community? (If no, explain) | Yes |
| Have the veg., soils, and/or hydrology been significantly disturbed? (If yes, explain) | No |
| Is the site a problem area? (If yes, explain) | No |

Remarks:

Wetland Determination:

Based on the foregoing:

- | | | |
|----------------------------------|------------|--|
| Are Hydrophytic Plants Dominant? | No | Is This Sampling Point Within A Wetland? |
| Is Wetland Hydrology Present? | No | |
| Are Wetland Soils Present? | Yes | |

Remarks: